Table 12: **Pol**

HXB2 Locati	ion Author Location	Sequence	Immunogen	Species(HLA)	References	
Pol()		RT() HIV-1 infection human() [Buseyne (1998a)] • This study showed a correlation between strong CTL memory and breadth of response in 7-12 month old infants, and remaining AIDS-free for the first year of life, higher absolute CD4 and CD8 cells, and lower viral load				
Pol()	CTL response relati • Chloroquine admini	 p66() HIV-1 infection human() [Zheng (1999)] Protein delivery (gp160 LAV, p66 LAV, and p24 NY5) to human dendritic cells (DC) with liposomes provides enhanced memory CTL response relative to delivery of protein alone Chloroquine administration enhanced epitope presentation, and brefeldin A and peptide aldehyde inhibitors inhibited antigen presentation, suggesting epitopes were processed by a classical proteasome pathway 				
Pol()	to other HIV+ infant • No HIV+ infants ha slowly progressive of	 Pol() HIV-1 infection human() [Wasik (2000)] HIV+ infants that progressed rapidly to AIDS had lower Th1 responses and decreased production of β-chemokines and IL-2 relative to other HIV+ infants No HIV+ infants had no demonstrable CTL at birth, but Th1 responses accompanied by CTL responses developed in children with slowly progressive disease, and not in rapid progressors CTLp frequencies were determined by limiting dilution using autologous B cells infected with vaccinia/HIV constructs 				
Pol()	Pol()		Vaccine	human()	[Salmon-Ceron (1999)]	
Va	 **Cine: Vector/type: canarypox					
Pol()	Pol(172–219 clade	B)	Vaccine	human()	[Gorse (1999)]	
Va	accine: Vector/type: canary	pox prime with rgp120	boost Strain: LAI and SF2	HIV component: Env, Gag	, Pro, Nef, Pro	
	 The vaccine used was rec canarypox expressing HIV-1 env, gag, pol, nef and protease (vCP300) with or without administration of HIV-1 SF-2 rgp120 In vitro inducible CTL activity against HIV-1 Env, Gag, Pol, and Nef antigens was observed in 79% (15/19) of vaccine recipients The combination of vCP300 and vP1291 together resulted in an overall increase in CTL induction and detection sensitivity 					





